

**METHOD AND APPARATUS FOR PREDICTION OF COMPUTER SYSTEM
PERFORMANCE BASED ON TYPES AND NUMBERS OF ACTIVE DEVICES**

Abstract

A method for predicting a subsequent resource utilization in a computer system having a plurality of devices includes the step of monitoring, over a period of time, a contemporaneous resource utilization and a number of active devices to obtain monitored values of the contemporaneous resource utilization and the number of active devices. The subsequent resource utilization is predicted, based upon the monitored values of the contemporaneous resource utilization and the number of active devices. Additionally, methods are described herein for identifying resource saturation and predicting the effects of adding a new device in a computer system.